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PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह प्रलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF COMMERCE

NOTIFICATIONS

New Delhi, the 23rd March 1967

S.O. 1004.—In exercise of the powers conferred by section 6 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963), and after previous publication as required by rule 11 of the Export (Quality Control and Inspection) Rules, 1964, the Central Government hereby—

- (1) notifies that rubber hoses mentioned in Annexure I to this notification shall be subject to inspection prior to export;
- (2) specifies the type of inspection in accordance with the Export of Rubber Hoses (Inspection) Rules, 1967, as the type of inspection which would be applied to such rubber hoses;
- (3) recognises—
 - (a) the specifications as declared by the exporter to be the agreed specifications of the export contract for rubber hoses;
 - (b) in the absence of any specification referred to in sub-item (a), the Indian Standards specifications for rubber hoses specified in Annexure II to this notification, issued by the Indian Standards Institution, and the specifications set out in Annexure III to this notification, as the standard specifications for rubber hoses;
- (4) prohibits the export, in the course of international trade, of any such rubber hoses, unless the same is accompanied by a certificate issued by an inspection agency recognised for the purpose under section 7 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963), to the effect that the rubber hose is exportworthy.

2. Nothing in this notification shall apply to the export by sea, land or air, of samples of rubber hoses to prospective buyers.

3. In this notification "rubber hose" shall mean any of the rubber hoses mentioned in Annexure I to this notification, made from compounded vulcanized rubber, reinforced with woven fabric or braids of cotton, synthetic yarns and wires over the rubber lining and used for the purpose of discharge or suction of all types of fluids under high or low pressure.

4. This notification shall come into force on the 15th May, 1967.

ANNEXURE I

1. Water Delivery Hose
2. Water Suction Hose
3. Air Hose
4. Oil Resisting Hose
5. Welding Hose
6. Spray Hose
7. Radiator Hose
8. Chemical Hose
9. Steam Hose
10. Sand Blast Hose
11. Railway Vacuum Brake Hose
12. Railway Water Feed Hose.

ANNEXURE II

Standard Specification for Rubber Hoses

1. Specification for Water Delivery Hose

- | | |
|---------------------|--|
| IS : 44—1964 . . . | Indian standard for water delivery hose with woven reinforcement (low pressure) |
| IS : 445—1964 . . . | Indian standard for water delivery hose with woven reinforcement (high pressure) |
| IS : 913—1963 . . . | Indian standard for braided water delivery hose (high pressure) |
| IS : 914—1964 . . . | Indian standard for braided water delivery hose (low pressure) |

2. Specification for Water Suction Hose

- | | |
|----------------------|---|
| IS : 2482—1964 . . . | Indian standard for water suction hose (light duty) |
| IS : 3549—1965 . . . | Indian standard for water suction and discharge hose (heavy duty) |

3. Specification for Air Hose

- | | |
|----------------------|--|
| IS : 446—1964 . . . | Indian standard for air hose for pneumatic tools |
| IS : 911—1963 . . . | Indian standard for braided air hose (heavy duty) |
| IS : 912—1963 . . . | Indian standard for braided air hose (light duty) |
| IS : 3557—1965 . . . | Indian standard for air hose with woven reinforcement (heavy duty) |

4. Specification for Oil Resisting Hose

- | | |
|----------------------|---|
| IS : 635—1964 . . . | Indian standard for oil resisting hose |
| IS : 2396—1963 . . . | Indian standard for braided hose for petrol and diesel fuel |
| IS : 3418—1963 . . . | Indian standard for braided oil and solvent resisting hose |

5. Specification for Welding Hose

- | | |
|----------------------|--|
| IS : 447—1964 . . . | Indian standard for welding hose |
| IS : 3572—1966 . . . | Indian standard for braided welding and cutting hose |

6. Specification for Spray Hose

- | | |
|----------------------|--------------------------------|
| IS : 1677—1963 . . . | Indian standard for Spray Hose |
|----------------------|--------------------------------|

7. Specification for Radiator Hose

- | | |
|----------------------|-----------------------------------|
| IS : 2765—1964 . . . | Indian standard for radiator hose |
|----------------------|-----------------------------------|

ANNEXURE III

1. Specification for Steam Hose

(1) *Type*.—Steam hoses are classified in two types:

- (a) Low pressure type—where the steam pressure is upto and including 2.2 kg/cm².
- (b) High pressure type—where the steam pressure is between 2.2 kg/cm²—5 kg/cm².

(2) *Construction*.—The hose shall be constructed of the following:

(2.1) *Rubber lining*.—The rubber lining shall be reasonably uniform, and free from air blisters, porosity and other surface defects.

(2.2) *Reinforcement*.—The reinforcement shall consist of plies of woven fabric, applied on bias at approximately 45° angle. The woven fabric shall be well frictioned or suitably spread on both sides with a rubber compound. The finishing end of the last ply shall overlap the start of the first ply by a minimum of 6 mm.

(2.3) *Rubber cover*.—The rubber cover shall be reasonably uniform and free from air blisters, porosity and other surface defects. The cover shall have a cloth marked finish and the whole shall be consolidated by wrapping and uniformly vulcanized.

(3) *Requirements*.—The hose shall conform to the requirements specified below:

(3.1) *Dimensions and Tolerances*—

(3.1.1) *Internal Diameter*.—The internal diameter of the hose shall be as specified by the purchaser subject to the following tolerances:

Internal diameter	Tolerance for low pressure type	Tolerance for high pressure type
From 6.3 mm upto and including 50 mm	±0.75 mm.	±0.75 mm

(3.1.2) *Length*.—The length of the hose shall be as specified by the purchaser.

(3.2) *Strength of rubber*.—The hose shall be tested for the characteristics conforming to the requirements as specified below:

Characteristics.	Unit	Requirements for			
		Low Pressure		High Pressure	
		Lining	Cover	Lining	Cover
(a) Tensile strength minimum .	Kg/cm ²	70	70	85	85
(b) Elongation at break, minimum .	Per cent	200	300	200	350

(3.3) *Steam test*.—Test pieces as for the determination of tensile strength shall be subjected for 24 hours to saturated steam pressure as under in a suitable digester:

Low pressure—3.5 kg/cm² steam

High pressure—7 kg/cm² steam

After ageing as described above the tensile strength and the elongation at break shall be as follows:

	Low pressure	High pressure
Tensile strength for lining and cover (minimum)	42 Kg./cm ²	70 kg/cm ²
Minimum elongation at break for cover	250 per cent.	300 per cent.
Minimum elongation at break for lining	150 per cent.	150 per cent.

(3.4) *Adhesion*.—The adhesion shall be such that the rate of separation shall not exceed 25 mm/minute under the following specified load:

	Low pressure kg.	High pressure kg.
Between lining and fabric	4.5	5.5
Between fabric plies	5.5	6.5
Between fabric and cover	4.5	5.5

(3.5) *Hydraulic Test*.—This is to be carried on a piece of 100 cm. long and the minimum bursting pressure will be as follows:

Low Pressure type—20 kg/cm²

High Pressure type—55 kg/cm²

2. Specification for Sand Blast Hose

(1) *Construction*.—The hose shall be constructed of the following:

(1.1) *Rubber lining*.—The rubber lining shall be reasonably uniform and free from air blisters, porosity and other surface defects.

(1.2) *Reinforcement*.—The reinforcement shall consist of plies of woven fabric applied on bias at approximately 45° angle. The woven fabric shall be well frictioned or suitably spread on both sides with a rubber compound. The finishing end of the last ply shall overlap the start of the first ply by a minimum of 6 mm.

(1.3) *Rubber Cover*.—The rubber cover shall be reasonably uniform and free from air blisters, porosity and other surface defects. The cover shall have a cloth-mark finish, and the whole shall be consolidated by wrapping and uniformly vulcanized.

(2) *Requirements*.—The hose shall conform to the requirements specified below:

(2.1) *Dimensions and Tolerances*—

(2.1.1) *Internal Diameter*.—The internal diameter of the hose shall be as specified by the purchaser subject to the following tolerance:

Internal diameter	Tolerance %
From 12.5 mm upto and including 50 mm.	+0.75 mm

(2.1.2) *Length*.—The length of the hose shall be as specified by the purchaser.

(2.2) *Strength of rubber*.—The sand blast hose of rubber shall be tested for the characteristics conforming to the requirements as specified below:

Characteristics	Unit	Requirements for	
		Lining	Cover
(a) Tensile strength (minimum)	kg/cm ²	120	120
(b) Elongation at break (minimum)	Per cent	400	400

(2.3) *Ageing*.—After ageing at 70° ± 1°C for a period of 96 hours, the tensile strength and elongation at break shall not vary by more than the following percentage from the corresponding values obtained before ageing:

	Tensile Strength	Elongation at break
	Per cent	Per cent.
Lining	±35	±35
Cover	±25	±25

(2.4) *Adhesion*.—The adhesion shall be such that the rate of separation does not exceed 25 mm/minute under the following loads:

- | | |
|-------------------------------|---------|
| (a) Between lining and fabric | 5.5 kg. |
| (b) Between fabric plies | 5.5 kg. |
| (c) Between fabric and cover | 5.5 kg. |

(2.5) *Bursting Pressure (Hydraulic Test)*.—The hose shall comply with the following minimum bursting pressure in kg/cm².

Internal Diameter mm	Bursting Pressure	Internal Diameter mm	Bursting Pressure
12.5	38	31.5	28
16	35	38	25
20	28	45	20
25	32	50	20

3. Specification for Vacuum Brake Hose for Railway fittings

(1) *Construction*.—The hose shall be constructed of the following:

(1.1) *Rubber lining*.—The rubber lining shall be reasonably uniform and free from air blisters, porosity, and other surface defects.

(1.2) *Reinforcement*.—The reinforcement shall be with canvas with a steel wire core. The helical coil shall be of tough galvanised steel wire, finished off square and with ends soldered to the adjacent wire.

(1.3) *Rubber Cover*.—The rubber cover shall be reasonably uniform and free from air blisters, porosity and surface defects. The cover shall be cloth-marked finish, and the whole shall be consolidated by wrapping and uniformly vulcanized.

(2) *Requirements*.—The rubber hose shall conform to the requirements specified below:

(2.1) *Dimensions and tolerances*

....

(2.1.1) *Internal Diameter*.—The internal diameter of the hose shall be as specified by the purchaser.

(2.1.2) *Length*.—The length of the hose shall be as specified by the purchaser.

(2.2) *Physical test*.—The hose shall be bent by hand to the undernoted degrees without displacement of the wire core or rupture of the canvas covering. The banding should be done once in one direction and then in the opposite direction.

mm

- | | |
|--------|---------------------------------|
| 685×51 | Bend till ends touch |
| 560×51 | Bend till ends are 102 mm apart |
| 455×51 | Bend till ends are parallel. |

(2.3) *Vacuum Retaining Capacity Test*.—The hose shall be connected by means of cylindrical nozzle of 60 mm diameter and not less than 44 mm in length to a chamber of 1640 cubic centimetre volume with the free and closed with a cylindrical plug, identical in external dimensions with the nozzle, and with 508 mm of vacuum throughout the assembly, shall not on isolation from the source of vacuum, record a drop of more than 76 mm in one hour on the chamber gauge. The hose shall not be clipped or otherwise bound to the chamber nozzle or plug for this test.

(2.4) *Contraction test*.—The hose when subjected to 508 mm of vacuum shall contract not more than 5 per cent of their original length when at rest.

4. Specification for Feed Hose (Pipe) for Locomotives

(1) *Construction*.—The hose (pipe) shall be constructed according to the buyers requirements.

(2) *Requirements*.—The feed hose (pipe) shall conform to the requirements specified below:

(2.1) *Dimensions and tolerances*

(2.1.1) *Internal Diameter*.—The internal diameter with the tolerance shall be as specified by the purchaser.

(2.1.2) *Length*.—The length of the hose shall be as specified by the purchaser.

(2.2) *Bend Test*.—The hose shall be bent by hand under the following noted degree without displacement of the wire core or damage of the canvas covering.

635 mm×51 mm—Till the ends are parallel

(2.3) *Adhesion*.—The adhesion shall be such that the separation shall not exceed 25 mm/minute under a load of 3.6 kg between

(i) fabric and fabric

(ii) fabric and cover.

(2.4) *Hydraulic Test*.—The hose shall be subjected to an internal water pressure test of 7 kg/cm² for 5 minutes without showing any leakage and rupture.

[No. 60(127)Exp. Insp/65.]

S.O. 1005.—In exercise of the powers conferred by section 17 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963), the Central Government hereby makes the following rules, namely:—

1. **Short title and commencement.**—(1) These rules may be called the Export of Rubber Hoses (Inspection) Rules, 1967.

(2) They shall come into force on the 15th May, 1967.

2. **Definition.**—In these rules, "rubber hose" means any of the hoses mentioned in the Schedule to these rules, made from compounded vulcanized rubber, reinforced with woven fabric or braids of cotton, synthetic yarns and wires over the rubber lining, used for the purpose of discharge or suction of all types of fluids under high or low pressure

3. **Basis of inspection for certification.**—Inspection of rubber hoses for the purpose of issuing certificate of exportworthiness for export, shall be carried out with a view to seeing that the rubber hoses conform to the standard specifications recognised by the Central Government under section 6 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963).

4. **Procedure of inspection.**—(1) An exporter intending to export rubber hoses, shall give intimation in writing of his intention so to do and submit along with such intimation a declaration of the specifications, stipulated in the export contract, to any one of the agencies recognised under section 7 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963) (hereinafter referred to as the inspection agency), to enable it to carry out the inspection in accordance with rule 3.

(2) In case the specifications stipulated in the export contract are in the form of a sample approved by the buyer, the exporter shall submit a declaration accordingly along with the approved sample and its characteristics to the inspection agency.

(3) Every intimation and declaration under sub-rule (1) or the sample declared under sub-rule (2) shall be given not less than seven days before the expected date of shipment.

(4) On receipt of the intimation and declaration under sub-rule (3), the inspection agency shall inspect the consignment of rubber hoses with a view to seeing that the same conforms to the aforesaid standard specifications or the approved sample, as the case may be.

(5) If after inspection, the inspection agency is satisfied that the consignment of rubber hoses to be exported complies with the requirements of rule 3, it shall within seven days of receipt of the intimation and declaration under sub-rule (3), issue a certificate to the exporter declaring the consignment to be export-worthy.

5. **Place of inspection.**—Inspection for the purpose of these rules shall be carried out either—

(a) at the premises of manufacturer, or

(b) at the premises at which the goods are offered by the exporter, provided adequate facilities for the purpose exist therein.

6. Inspection Fee—Subject to a minimum of Rs 50/- for each consignment of Oil Resisting Hose, Chemical Hose, Steam Hose, Sand Blast Hose, Railway Vacuum Brake Hose and Railway Water Feed Hose and a minimum of Rs. 25/- for each consignment of Water Delivery Hose, Water Suction Hose Air Hose, Welding Hose Spray Hose and Radiator Hose a fee at the rate of twenty paise for every one hundred rupees of the FOB value of each such consignment shall be paid as inspection fee under these rules.

7. Appeal.—(1) Any person aggrieved by the refusal of the inspection agency to issue a certificate under sub-rule (5) of rule 4, may, within ten days of receipt of the communication of such refusal by him, prefer an appeal to a panel of experts consisting of not less than three persons, constituted by the Central Government for the purpose.

(2) The decision of the panel of experts on such appeal shall be final.

THE SCHEDULE

(See rule 2)

1. Water Delivery Hose
2. Water Suction Hose
3. Air Hose
4. Oil Resisting Hose
5. Welding Hose
6. Spray Hose
7. Radiator Hose
8. Chemical Hose
9. Steam Hose
10. Sand Blast Hose
11. Railway Vacuum Brake Hose
12. Railway Water Feed Hose.

[No. 60(127)Exp. Insp/65.]

S.O. 1006.—In exercise of the powers conferred by section 7 of the Export (Quality Control and Inspection) Act, 1963 (22 of 1963), the Central Government hereby recognises—

(i) Italb Engineering Pvt Ltd. Aban House, 6th floor, Rope Walk Lane, Bombay-I.

(ii) Eskaps (India) Private Ltd., 30, Chowringhee Road, Calcutta-16.

also as the agencies for the inspection of rubber hoses specified in Schedule II annexed to the Notification of the Government of India in the Ministry of Commerce No S.O. 496 dated the 14th February, 1966 and directs that the following amendment shall be made in the aforesaid notification namely:—

In the said notification, in Schedule I, after serial No. 16 and the entry relating thereto, the following shall be inserted namely:—

"17 Italb Engineering Pvt. Ltd., Aban House, 6th floor, Rope Walk Lane, Bombay-I.

18 Eskaps (India) Private Ltd., 30, Chowringhee Road, Calcutta-10."

[No. 60(127)Exp. Insp/65]

S.O. 1007.—In pursuance of rule 3 of the Export of Rubber Hoses (Inspection) Rules, 1967, the Central Government hereby appoints the persons mentioned in column (2) of the Table given below, as the panel of experts for the purpose of hearing appeals under the said rule against the decision of the Inspection Agencies carrying out inspection in the areas mentioned in the corresponding entry in column (1) thereof:

Provided that where a member of any of the said panel is personally interested in the subject-matter of any appeal, he shall not take part in the proceedings relating to that appeal.

THE TABLE

Authority against whose decision appeal lies	Persons constituting the panel of experts to which appeal lies
(1)	(2)
I. Inspection Agencies carrying out inspection in the areas covered by the States of Assam, West Bengal, Bihar, Orissa, Nagaland, and the Union territories of Manipur, Tripura and Part B Tribal areas in the State of Assam.	<p>(1) Dr. M. L. Bhowmick, M/s. National Rubber Manufacturer's Ltd., Leslie House, 19, Chowringhee, Calcutta-13. Chairman</p> <p>(2) Shri K. R. Sengupta, M/s. S. G. R. Industries Pvt. Ltd., 10, The Mall, Calcutta-28.</p> <p>(3) Shri A. Bose, M/s. Bengal Waterproof Works (1940) Ltd., 32, Shakespear, Sarani, Calcutta-16.</p> <p>(4) Shri S. C. Nandi, M/s. Bata Shoe Co. Pvt. Ltd., Batabagar, West Bengal.</p> <p>(5) Shri R. C. Dasgupta, Dy. Director (Chemicals), National Test House, 11/1, Judge's Court Road, Calcutta-27.</p> <p>(6) Assistant Director (Chemicals), Ex-officio Export Inspection Council, 14/1-B, Ezra Street, Calcutta-1.</p> <p>(7) Deputy Director (Chemical), ex-officio Export Inspection Council, 14/1-B, Ezra Street, Calcutta-1. Convenor.</p>
II. Inspection Agencies carrying out inspection in the areas covered by the States of Maharashtra, Gujarat, and Madhya Pradesh and the Union territory of Goa.	<p>(1) Shri P. D. Khemka, M/s. Cosmos India Rubber Works Pvt. Ltd., Post Box No. 107, 7, Homiji Street, Bombay-1. Chairman</p> <p>(2) Dr. K. N. Modak, Modak Rubber Works Pvt. Ltd., Andheri Kurla Road, Bombay-59 A.S.</p> <p>(3) Shri T. S. Simon, M/s. Diamond Rubber Works Pvt. Ltd., 276, Nagdevi Street, Bombay-3.</p> <p>(4) Shri Manu M. Patel, Technical Service Laboratory of Synthe- tics & Chemicals Ltd., Industry Manor, Off Prabhadevi Road, Bombay-28.</p> <p>(5) Shri W. G. Desai, M/s. Indian Rubber Regenerating Co. Ltd., Plot No. F. 2, Industrial Estate, Thana, Maharashtra.</p> <p>(6) Shri S. K. Bose, Dy. Director (Chemicals), National Test House, Gautam Building, Zakeria BDR Road, Bombay-15.</p>

(1)	(2)
<p>III. Inspection Agencies carrying out inspection in the areas covered by the States of Uttar Pradesh, Rajasthan, Punjab, Haryana and Jammu & Kashmir and the Union territories of Delhi, Chandigarh and Himachal Pradesh.</p>	<p>(7) Assistant Director (Chemicals), Ex-officio Export Inspection Council, "Harchandrai House" (1st floor), Queens Road, Bombay-2.</p> <p>(8) Deputy Director, Ex-officio Export Inspection Council, Bombay Regional Office, "Harchandrai House" (1st floor), 81, Queens Road, Bombay-2. Convenor.</p> <p>(1) Dr. V. Ramakrishna, Head of the Department of Chemistry, Indian Institute of Technology, Delhi. Chairman</p> <p>(2) Shri P. P. Mukherjee, M/s. Bata Shoe Co. Pvt. Ltd., Faridabad Branch Factory, Faridabad New Industrial Road, Haryana.</p> <p>(3) Dr. M.S. Muthana, Dy. Director, Indian Institute of Technology, P. O. I.I.T., Kanpur.</p> <p>(4) Dr. I. S. Gupta, Professor of Chemical Technology, Punjab University, Chandigarh.</p> <p>(5) Shri R. R. Purohit, Jt. Director of Industries (Chem.), Govt. of Rajasthan, Jaipur.</p> <p>(6) Deputy Director (Quality Control) Ex-officio, Ministry of Commerce, Govt. of India, 'Udyog Bhavan', New Delhi-11 Convenor</p>
<p>IV. Inspection Agencies carrying out inspection in the areas covered by the States of Madras, Mysore, Andhra Pradesh and Kerala.</p>	<p>(1) Mr. Kuruvilla Lukose, M/s. Madras Rubber Factory Ltd., P.O. Box. No. 3760, Madras-2 Chairman</p> <p>(2) Dr. D. Venkateswarlu, Department of Chemical Engineering, Indian Institute of Technology, Madras I.I.T., P.O. Madras-36.</p> <p>(3) The Dy. Director, Ex-officio, (Export Promotion), Joint Chief Controller of Imports & Exports, P.O. Box No. 1842, Madras-1.</p> <p>(4) Dr. M. S. Patel, Chairman, Tobacco Export Promotion Council and Development Officer (T), The State Trading Corporation of India Ltd., 123, Mount Road, Madras-6. Convenor</p>

2. The quorum of the panel shall be three.

[No. 60(127)Exp. Insp/65.]

A. C. BANERJEE, Jt. Secy.

